

**WHAT IS CLAIMED IS:**

- 1 1. A method for monitoring an operational thread using a  
2 service thread, said method comprising:  
3 initiating the service thread on a computer system,  
4 wherein the service thread monitors a plurality of  
5 service events;  
6 invoking the operational thread on the computer system  
7 using the service thread, wherein the operational  
8 thread performs operational tasks; and  
9 monitoring the operational thread using the service  
10 thread.
- 1 2. The method as described in claim 1 wherein the  
2 computer system includes a plurality of dissimilar  
3 processors, wherein the operational thread and the  
4 service thread both execute on a common dissimilar  
5 processor from the plurality of dissimilar processors.
- 1 3. The method as described in claim 1 wherein at least  
2 one of the service events is selected from the group  
3 consisting of a fan check, a sensor check, an ECC  
4 error check, and a hardware error log check.
- 1 4. The method as described in claim 1 further comprising:  
2 identifying a service error, the service error  
3 corresponding to one of the plurality of service  
4 events;  
5 determining whether the service error is correctable;  
6 terminating the operational thread in response to the  
7 determination; and

8 backing up operational data in response to the  
9 terminating, the operational data corresponding to the  
10 operational thread.

1 5. The method as described in claim 1 further comprising:  
2 polling the operational thread using the service  
3 thread;  
4 detecting an operational thread failure based upon the  
5 polling; and  
6 analyzing one or more service events in response the  
7 detecting.

1 6. The method as described in claim 5 wherein the  
2 analyzing further comprising:  
3 retrieving one or more service event values; and  
4 identifying whether the operational thread failure is  
5 due to one of the retrieved service event values.

1 7. The method as described in claim 6 further comprising:  
2 adjusting one or more service tolerances in response  
3 to the identification, the adjusted service tolerances  
4 corresponding to the identified service event values;  
5 and  
6 resetting the operational thread in response to the  
7 adjusting.

1 8. An information handling system comprising:  
2 a processor;  
3 a memory accessible by the processor;

4 one or more nonvolatile storage devices accessible by  
5 the processor; and

6 a service thread tool for monitoring an operational  
7 thread, service thread tool comprising software code  
8 effective to:

9 initiate a service thread on the processor,  
10 wherein the service thread monitors a  
11 plurality of service events;

12 invoke the operational thread on the  
13 processor using the service thread, wherein  
14 the operational thread performs operational  
15 tasks; and

16 monitor the operational thread using the  
17 service thread.

1 9. The information handling system as described in claim  
2 8 wherein the computer system includes a plurality of  
3 dissimilar processors, wherein the operational thread  
4 and the service thread both execute on the processor  
5 that is included in the plurality of dissimilar  
6 processors.

1 10. The information handling system as described in claim  
2 8 wherein at least one of the service events is  
3 selected from the group consisting of a fan check, a  
4 sensor check, an ECC error check, and a hardware error  
5 log check.

1 11. The information handling system as described in claim  
2 8 wherein the software code is further effective to:

3 identify a service error, the service error  
4 corresponding to one of the plurality of service  
5 events;  
6 determine whether the service error is correctable;  
7 terminate the operational thread in response to the  
8 determination; and  
9 back-up operational data located in the memory in  
10 response to the terminating, the operational data  
11 corresponding to the operational thread.

1 12. The information handling system as described in claim  
2 8 wherein the software code is further effective to:  
3 poll the operational thread using the service thread;  
4 detect an operational thread failure based upon the  
5 polling; and  
6 analyze one or more service events in response the  
7 detecting.

1 13. The information handling system as described in claim  
2 12 wherein the software code is further effective to:  
3 retrieve one or more service event values;  
4 identify whether the operational thread failure is due  
5 to one of the retrieved service event values;  
6 adjust one or more service tolerances in response to  
7 the identification, the adjusted service tolerances  
8 corresponding to the identified service event values;  
9 and  
10 reset the operational thread in response to the  
11 adjusting.

1 14. A computer program product stored on a computer  
2 operable media for monitoring an operational thread  
3 using a service thread, said computer program product  
4 comprising:  
5 means for initiating the service thread on a computer  
6 system, wherein the service thread monitors a  
7 plurality of service events;  
8 means for invoking the operational thread on the  
9 computer system using the service thread, wherein the  
10 operational thread performs operational tasks; and  
11 means for monitoring the operational thread using the  
12 service thread.

1 15. The computer program product as described in claim 14  
2 wherein the computer system includes a plurality of  
3 dissimilar processors, wherein the operational thread  
4 and the service thread both execute on a common  
5 dissimilar processor from the plurality of dissimilar  
6 processors..

1 16. The computer program product as described in claim 14  
2 wherein at least one of the service events is selected  
3 from the group consisting of a fan check, a sensor  
4 check, an ECC error check, and a hardware error log  
5 check.

1 17. The computer program product as described in claim 14  
2 further comprising:  
3 means for identifying a service error, the service  
4 error corresponding to one of the plurality of service  
5 events;

6 means for determining whether the service error is  
7 correctable;

8 means for terminating the operational thread in  
9 response to the determination; and

10 means for backing up operational data in response to  
11 the terminating, the operational data corresponding to  
12 the operational thread.

1 18. The computer program product as described in claim 14  
2 further comprising:

3 means for polling the operational thread using the  
4 service thread;

5 means for detecting an operational thread failure  
6 based upon the polling; and

7 means for analyzing one or more service events in  
8 response the detecting.

1 19. The computer program product as described in claim 5  
2 wherein the analyzing further comprising:  
3 means for retrieving one or more service event values;  
4 and

5 means for identifying whether the operational thread  
6 failure is due to one of the retrieved service event  
7 values.

1 20. The computer program product as described in claim 6  
2 further comprising:  
3 means for adjusting one or more service tolerances in  
4 response to the identification, the adjusted service

5 tolerances corresponding to the identified service  
6 event values; and  
7 means for resetting the operational thread in response  
8 to the adjusting.